



Memorandum

To: Chair Jaye Quadrozzi, Honorable Board of Directors, GLWA
From: Navid Mehram, P.E., Chief Operating Officer, Wastewater Operating Services
CC: Suzanne R. Coffey, P.E., Bill Wolfson
Date: May 18, 2022
RE: Proposed Change Order No. 5, Contract No. GLWA-CON-234, Conner Creek CSO Basin Emergency Rehabilitation

Chair Quadrozzi:

At the Operations and Resources Committee Meeting on Wednesday, May 11, 2022, Director Baker requested additional information regarding the board item Proposed Change Order No. 5, Contract No. GLWA-CON-234, Conner Creek CSO Basin Emergency Rehabilitation board letter background where the usage of the provisional allowance was to repair leaking Emergency Relief Gates (ERG) 3C and 3D. The installation of the seals for these gates were in accordance with the contract documents, and the installation was completed per the manufacturer representative oversight and recommendations. However, the seals originally installed in March 2019 still failed, and the failure occurred more than 2 years after installation, which is outside of the warranty period of the project. Based on the above condition, it was GLWA's opinion that the compensation through a provisional allowance for repair of the leaks was appropriate.

Additionally, it should be noted that GLWA procured the services of a national gate expert to investigate the failure of other seals to provide third-party validation of the GLWA designer and constructor for the restoration of the seals. The third-party investigation revealed that the (ERG) gates installed as part of the original construction of the facility under PC-739 (Conner Creek RTB) in 2003 have a manufacturer (Rodney Hunt) design flaw with how the plastic seals were connected to the cast iron gates. This connection utilizes an adhesive material that spalls from corrosion of the gate over time separating the two materials which leads to leaks.

Based on the findings of the third party investigation, GLWA Engineering, Operations and Maintenance team are in agreement that repairing the seals at this point is the more cost effective alternative than replacing or machining the units.